## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 26 May 2005 (26.05.2005)

## (10) International Publication Number WO 2005/047192 A1

(51) International Patent Classification7: F24D 17/00, E03C 1/046

C02F 1/50.

(21) International Application Number:

PCT/GB2004/004715

(22) International Filing Date:

8 November 2004 (08.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0326208.6 0326820.8 11 November 2003 (11.11.2003) GB

18 November 2003 (18.11.2003)

(71) Applicant and

(72) Inventor: FROGGATT, Keith [GB/GB]; Brichwoodmoor, Roston, Ashbourne, Derbyshire DE6 3EH (GB).

(74) Agent: SALES, Robert, Reginald; Swindell & Pearson, 48 Friar Gate, Derby DE1 1GY (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

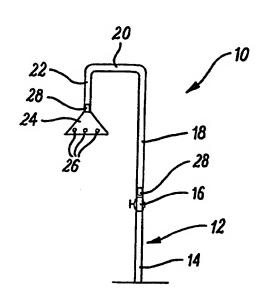
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW. GH. GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WATER DISTRIBUTION SYSTEM



(57) Abstract: A shower arrangement (10) including a plurality of freely movable silver coated decontaminating members (26) in the shower head (24). Inserts (28) of a decontaminating material such as silver are provided at each end of an upper section (18) of the stand pipe (12), with the decontaminating members (26) and inserts (28) substantially preventing build up of bacteria.